

1. CONTRACT/ PURCH. ORDER/ AGREEMENT NO. N00014-09-M-0439		2. DELIVERY ORDER / CALL NO. N00014		3. DATE OF ORDER/ CALL (YYYYMMDD) SEE BLK 24		4. REQUISITION / PURCHASE REQUEST NO. NAVRIS # 09PR09600 -00/1056247		5. PRIORITY DO-C9(J)	
6. ISSUED BY OFFICE OF NAVAL RESEARCH ONR 253: EMILY MCLAUGHLIN, (703) 588-2440 E-MAIL :EMILY.J.MCLAUGHLIN@NAVY.MIL 875 NORTH RANDOLPH ST ARLINGTON, VA 22203-1995				7. ADMINISTERED BY (If other than 6) SCD-C DCMA TEXAS 600 NORTH PEARL STREET SUITE 1630 DALLAS, TX 75201-2843				8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)	
9. CONTRACTOR 21ST CENTURY TECHNOLOGIES, INC 4515 SETON CENTER PKWY STE 320 AUSTIN, TX 78759-5731				10. DELIVER TO FOB POINT BY (DATE) (YYYYMMDD) See Page 2		11. X IF BUSINESS IS <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED		12. DISCOUNT TERMS Net 30 Days	
14. SHIP TO OFFICE OF NAVAL RESEARCH ATTN MARTIN KRUGER, ONR CODE 30 ONE LIBERTY CENTER 875 NORTH RANDOLPH ST. ARLINGTON, VA 22203-1995				15. PAYMENT WILL BE MADE BY DFAS COLUMB. WEST ENTL PO BOX 182381 COLUMBIA, OH 43218-2381		13. MAIL INVOICES TO See Pages 3 and 4			
16. TYPE OF ORDER DELIVERY/ CALL <input type="checkbox"/> PURCHASE <input checked="" type="checkbox"/>		This delivery order is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract. Reference your See Page 2 furnish the following on terms specified herein. ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR NOW MODIFIED, SUBJECT TO ALL TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.							
NAME OF CONTRACTOR		SIGNATURE		TYPED NAME AND TITLE		DATE SIGNED (YYYYMMDD)			
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:									
17. ACCOUNTING AND APPROPRIATION DATA / LOCAL USE SEE ATTACHED FINANCIAL ACCOUNTING DATA (FAD) SHEET (S)									
18. ITEM NO.	19. SCHEDULE OF SUPPLIES / SERVICE	20. QUANTITY ORDERED/ACCEPTED	21. UNIT	22. UNIT PRICE	23. AMOUNT				
	This purchase order is written in accordance with the Small Business Innovative Research (SBIR) Program Authorized by 15 U.S.C. 638 See Page for description of supplies and delivery schedule. FOR DOD ADMINISTRATIVE USE ONLY: PRIORITY:								
*If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.		24. UNITED STATES OF AMERICA BY <i>Emily McLaughlin</i> EMILY MCLAUGHLIN CONTRACTING / ORDERING OFFICER 9/23/09				25. TOTAL		See Page 2	
27a. QUANTITY IN COLUMN 20 HAS BEEN		26. DIFFERENCES							
<input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED									
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE		c. DATE OF ORDER (YYYYMMDD) //		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE:					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE		28. SHIP NO.		29. D.O. VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER		g. E-MAIL ADDRESS		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
36. I certify this account is correct and proper for payment		31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		34. CHECK NUMBER		35. BILL OF LADING NO.			
a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER		40. TOTAL CONTAINERS		41. S/R ACCOUNT NUMBER		42. S/R VOUCHER NO.		
37. RECEIVED BY	38. RECEIVED BY (Print)	39. DATE RECEIVED (YYYYMMDD) //							

REDACTED

REDACTED

SUPPLIES OR SERVICES AND PRICES/COSTS

BASE (6 months)				
ITEM NO.	SUPPLIES / SERVICES	QTY	UNIT OF ISSUE	AMOUNT
0001	The Contractor shall conduct research and provide reports in accordance with Paragraph 1 below.			NSP
0001AA	Progress Report	(b) (4)		
0001AB	Progress Report			
0001AC	Final Report (In Accordance With Section 6, Electronic Submission of Summary Final Report (Phase I))			
ITEM 0001 FIRM FIXED PRICE				\$69,993.00

OPTION I (3 months)				
ITEM NO.	SUPPLIES / SERVICES	QTY	UNIT OF ISSUE	AMOUNT
0002	The Contractor shall conduct research and provide reports in accordance with Paragraph 2 below.			NSP
0002AA	Progress Report	(b) (4)		
0002AB	Final Report			
ITEM 0002 FIRM FIXED PRICE				\$29,995.00

TOTAL FIRM FIXED PRICE: \$69,993

- Under Item 0001, the Contractor shall conduct research and provide reports in accordance with the section entitled "Part 3 Phase I Work Plan," tasks 1 through 3 of its proposal entitled "Access: Automated Comparison and Clustering of Entity Signatures," dated Jun 17, 2009, submitted in response to SBIR topic N092-149, which section is incorporated herein by reference.
- Under Option I (Item 0002), if exercised, the Contractor shall conduct research and provide reports in accordance with the section entitled "Part 3 Phase I Work Plan," task 4 of its proposal entitled "Access: Automated Comparison and Clustering of Entity Signatures," dated Jun 17, 2009, submitted in response to SBIR topic N092-149, which section is incorporated herein by reference.
- The Contractor shall accomplish the work during the period commencing from 26 October 2009 through 25 August 2010. The additional four months are to allow the Government sufficient time to determine if the Option under Item Number 0002 should be exercised. Delivery of Subline Items shall be in accordance with the following schedule. Inspection and acceptance is at destination.

Base		Option I	
CLIN/SLIN	Delivery Date	CLIN/SLIN	DELIVERY DATE
0001AA	(b) (4)	0002AA	(b) (4)
0001AB		0002AB	
0001AC			

Note: Days After Option Exercise (DAOE)

REDACTED

REDACTED

4. INVENTION DISCLOSURES AND REPORTS

The Contractor shall submit all invention disclosures and reports required by the Patent Rights clause of this contract to the Administrative Contracting Officer (ACO). The ACO (Refer to Block 7 of the DD Form 1155 for POC information) will forward invention disclosures and reports directly to Corporate Counsel (Code 00CC), Office of Naval Research, Department of the Navy, 875 North Randolph Street, Arlington, VA 22203-1995. Corporate Counsel will return the reports along with a recommendation to the ACO. Corporate Counsel represents the Contracting Officer regarding invention reporting matters arising under this purchase order.

5. ONR 5252.219-9717 SPECIAL SMALL BUSINESS INNOVATION RESEARCH (SBIR) REQUIREMENTS (JAN 2008)

A minimum of two-thirds of the SBIR Project shall be carried out by the proposing firm. The primary employment of the principal investigator shall be with the small business firm at the time of award and during the conduct of the proposed effort. Primary employment means that more than one-half of the principal investigator's time is spent with the small business. Primary employment with a small business concern precludes full-time employment at another organization.

All research or research and development work under this contract shall be performed by the small business concern and its subcontractors in the United States. "United States" means the several states, the Territories and possessions of the United States, the Commonwealth of Puerto Rico, and the Commonwealth of the Northern Mariana Islands, the Trust Territory of the Pacific Islands, and the District of Columbia. Joint ventures and limited partnerships are permitted, provided that the entity created qualifies as a small business in accordance with the Small Business Act, 15 USC 631, and the definition included in the SBIR solicitation.

Deviations from the above requirements must be approved in writing by the contracting officer.

6. ELECTRONIC SUBMISSION OF SUMMARY FINAL REPORT (PHASE I)

You must submit an electronic NONPROPRIETARY summary of your final report directly to the Navy SBIR/STTR website at www.navysbir.com. To submit this report, select Submission, then select Submit a Phase I or II Summary Report, then select Begin Submission Process. Enter your firm name and the password used to submit proposals to the DoD Proposal Submission website. Select Summary Report and Add a New Report. Follow the remaining instructions given on the submission website. Additional guidance on payment issues, progress and final report formats, Phase II plans, and other information on SBIR and STTR programs can be found at the Navy SBIR/STTR website at www.navysbir.com

7. PAYMENT AND INVOICE INSTRUCTIONS

All payments shall be made by funds transfers to the bank account registered in the Central Contractor Registration (CCR), <http://www.ccr.gov>. The Awardee agrees to maintain its registration in the CCR including information necessary to facilitate payment via Electronic Funds Transfer (EFT). Should a change in registry or other incident necessitate the payment to an account other than that maintained in CCR, it is the Awardee's responsibility to notify the Administrative Contracting Office (ACO) and obtain a modification to this Award reflecting the change. The Government shall not be held responsible for any misdirection or loss of payment which occurs as the result of an Awardee's failure to maintain correct/current EFT information within its CCR registration.

REDACTED

Wide Area Work Flow (WAWF) has been designated as the Department of Defense standard for electronic invoicing and payment. The Office of Naval Research will utilize the WAWF system. This web based system, located at <https://wawf.eb.mil>, provides the technology for government contractors and authorized Department of Defense (DoD) personnel to generate, capture and process receipt and payment-related documentation in a paperless environment. **Payment Requests/Invoices for supplies/services rendered under this contract shall be submitted electronically through WAWF. Submission of hard copy DD250/invoices will no longer be accepted for payment.**

It is recommended that all persons designated as CCR Electronic Business (EB) Points of Contact, and anyone responsible for the submission of payment requests, use the online training system for WAWF at <http://wawftraining.com>. The Vendor, Group Administrator (GAM), and sections marked with an asterisk in the training system should be reviewed. Vendor Quick Reference Guides are also available at (http://acquisition.navy.mil/rda/home/acquisition_one_source/ebusiness/don_ebusiness_solutions/wawf_o_verview/vendor_information). The most useful guides are "Vendor Self Registration/Account Management" and either "Invoice 2in1" or "Invoice and Receiving Report (Combo)"; use the former if the invoice is for services only.

To comply with the above initiative, the Awardee must register in WAWF and have the appropriate CAGE code activated. Your CCR EB Point of Contact is responsible for activating the CAGE code in WAWF by calling 1-866-618-5988. Once the CAGE Code is activated, the CCR EB Point of Contact will self-register in WAWF (<https://wawf.eb.mil>) and follow the instructions for a group administrator. After the CAGE Code is set-up on WAWF, any additional persons responsible for submitting invoices must self-register in WAWF.

After self-registering and logging on to the WAWF system, click on the plus sign next to the word "Vendor" and then click on the "Create New Document" link. Enter the Contract Number (no dashes), Delivery Order (if applicable) and CAGE Code, and then hit Continue. *(Note - Some codes may automatically pre-populate in WAWF; if they do not, they should be entered manually)*

Enter the Pay DODAAC and hit Submit.

Pay DoDAAC: [Use the 6 character "PAYMENT WILL BE MADE BY" CODE on page one of the award document]

Select either the: "Invoice as 2-in-1 (Services Only)" for services/R&D/reports (can include incidental supplies) or "Invoice and Receiving Report (Combo)" for supplies (can also include additional services) invoice type within WAWF and hit Continue. Both types of invoices fulfill any requirement for submission of the Material Inspection and Receiving Report, DD Form 250. Fill in the additional required information (if it has not been pre-populated) and hit Continue.

Issue Date: [Use the signed date of the award document]

IssueBy DoDAAC: [Use the 6 character "ISSUED BY" CODE on page one of the award document]

Admin DoDAAC: [Use the 6 character "ADMINISTERED BY" CODE on page one of the award document]

Service Acceptor: [Use the 6 character "ISSUED BY" CODE on page one of the award document] *(Note - this line is required only with "Invoice as 2-in-1 (Services Only)" type invoices)*

REDACTED

Ship To Code: [Use the 6 character "SHIP TO" CODE on page one of the award document]
(Note – this line is required only with "Invoice and Receiving Report (Combo)" type invoices)

LPO DoDAAC: [Use the 6 character "ADMINISTERED BY" CODE on page one of the award document] (Note - this line is required only when the "PAYMENT WILL BE MADE BY" DODAAC is HQ0251 or begins with an 'N'; otherwise leave blank)

Fill in all applicable information under each tab within the document. Back up documentation (5MB limit) can be included and attached to the invoice in WAWF under the "Misc Info" tab.

Helpful Note: Shipment Number format should be three (3) alpha and four (4) numeric characters (e.g., SER0001).

Take special care when you enter Line Item information - the Line Item tab is where you will detail your request for payment and material/services that were provided based upon the contract. Be sure to fill in the following two informational items exactly as they appear in the contract:

Item Number: If the contract schedule has more than one ACRN listed as sub items under the applicable Contract Line Item Number (CLIN), use the 6 character separately identified Sub Line Item Number (SLIN) (e.g. – 0001AA) or Informational SLIN (e.g. – 000101), otherwise use the 4 character CLIN (e.g. – 0001).

ACRN: Fill-in the applicable 2 alpha character ACRN that is associated with the SLIN or CLIN.
(Note – Do not invoice for more than is still available under any ACRN)

After all required information is included, click on the "Create Document" button under the "Header" tab.

Special Payment Instructions for CLIN/SLINs with Multiple ACRNs/Lines of Accounting:

(Note - since WAWF does not accept the use of multiple ACRNs with the same AAA or SDN for any single CLIN or SLIN on one invoice; multiple invoices may have to be used - use the WAWF "Line Item" "Description" area to note the use of multiple invoices).

For all invoices submitted against CLINs with multiple Accounting Classification Reference Numbers (ACRNs), the billing shall be paid from the earliest Fiscal Year (FY) appropriation first. Fiscal Year is determined from the 3rd character in the "Appropriation (Critical)" part (Block 6B) of the Line of Accounting on the Financial Accounting Data Sheet of the contract (e.g., 1781319 for FY 2008 and 1791319 for FY 2009). In the event there are multiple ACRNs with the same FY of appropriation, billings shall be proportionally billed to all ACRNs for that FY in the same ratio that the ACRNs are obligated.

If you have any questions regarding WAWF, contact the DoD WAWF Assistance Line at 1-866-618-5988.

For additional clarification on the correct Codes to use or on proper invoicing procedures, contact the ADMINISTERED BY Office on page one of the award document.

For payment status questions, contact the PAYMENT WILL BE MADE BY Office listed on page one of the award document or visit the DFAS My Invoice system (<https://myinvoice.csd.disa.mil>).

8. CLAUSES

August 18, 2009

FAR 52.252-2 Clauses Incorporated by Reference (FEB 1998): This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address: <http://www.arnet.gov/far/>

Federal Acquisition Regulation (FAR) (48 CFR Chapter 1) Clauses and Department of Defense FAR Supplement (DFARS) (48 CFR Chapter 2)

(A)

FAR 52.204-7	Central Contractor Registration (APR 2008)
FAR 52.209-06	Protecting the Government's Interest when Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (APR 2008)
FAR 52.211-15	Defense Priority and Allocation Requirements (SEP 1990)
FAR 52.213-4	Terms and Conditions – Simplified Acquisitions (Other Than Commercial Items) (AUG 2009)
FAR 52.215-8	Order of Precedence – Uniform Contract Act (OCT 1997)
FAR 52.217-7	Option for Increased Quantity – Separately Priced Line Item (MAR 1989) (Insert “9 months after the Order is executed”)
FAR 52.219-6	Notice of Total Small Business Set-Aside (JUN 2003), and Alternate I (JUN 2003)
FAR 52.219-28	Post-Award Small Business Program Representation (APR 2009)
FAR 52.222-3	Convict Labor (JUN 2003)
FAR 52.222-21	Prohibition of Segregated Facilities (FEB 1999)
FAR 52.222-26	Equal Opportunity (MAR 2007)
FAR 52.222-35	Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (SEP 2006)
FAR 52.222-36	Affirmative Action for Workers with Disabilities (JUN 1998)
FAR 52.222-37	Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (SEP 2006)
FAR 52.222-50	Combating Trafficking of Persons (FEB 2009)(DEVIATION)(Universities and Non-Profit R&D entities exempted per ASN(rD&A) deviation of Jan 07)
FAR 52.225-13	Restrictions on Certain Foreign Purchases (JUN 2008)
FAR 52.227-1	Authorization and Consent (DEC 2007) Alternate I (APR 1984)
FAR 52.227-2	Notice and Assistance Regarding Patent and Copyright Infringement (DEC 2007)
FAR 52.227-11	Patent Rights – Ownership by Contractor (DEC 2007)
FAR 52.232-2	Payments under Fixed-Price Research and Development Contracts (APR 1984)
FAR 52.232-9	Limitation on Withholding of Payments (APR 1984)
FAR 52.232-23	Assignment of Claims (JAN 1986) and Alternate I (APR 1984)
FAR 52.232-25	Prompt Payment (OCT 2008) (The words “the 30 th day” are inserted in lieu of “the 7 th day” at (a)(5)(i).
FAR 52.232-33	Payment by Electronic Funds Transfer – Central Contractor Registration (OCT 2003)
FAR 52.233-1	Disputes (JULY 2002)
FAR 52.233-3	Protest After Award (AUG 1996)
FAR 52.242-15	Stop Work Order (AUG 1989)
FAR 52.243-1	Changes – Fixed Price (AUG 1987) and Alternate V (APR 1984)

FAR 52.244-6	Subcontracts for Commercial Items (AUG 2009)
FAR 52.246-9	Inspection of Research and Development (Short Form) (APR 1984)
FAR 52.247-34	F.o.b. Destination (NOV 1991)
FAR 52.249-1	Termination for Convenience of the Government (Fixed Price) (Short Form) (APR 1984)
FAR 52.253-1	Computer Generated Forms (JAN 1991)
DFARS 252.204-7003	Control of Government Personnel Work Product (APR 1992)
DFARS 252.204-7004	Alternate A, Central Contractor Registration (SEP 2007)
DFARS 252.211-7003	Item Identification and Valuation (AUG 2008)
DFARS 252.211-7007	Reporting of Government-Furnished Equipment in the DoD Item Unique Identification (IUID) Registry (NOV 2008)
DFARS 252.225-7031	Secondary Arab Boycott of Israel (JUN 2005)
DFARS 252.227-7016	Rights in Bid or Proposal Information (JUN 1995)
DFARS 252.227-7017	Identification And Assertion Of Use, Release, Or Disclosure Restrictions (JUN 1995)
DFARS 252.227-7018	Rights in Noncommercial Technical Data and Computer Software – Small Business Innovation Research (SBIR) Program (JUN 1995)
DFARS 252.227-7019	Validation of Asserted Restrictions – Computer Software (JUN 1995)
DFARS 252.227-7027	Deferred Ordering of Technical Data or Computer Software (APR 1988)
DFARS 252.227-7030	Technical Data – Withholding of Payment (MAR 2000)
DFARS 252.227-7037	Validation of Restrictive Markings on Technical Data (SEP 1999)
DFARS 252.227-7039	Patents – Reporting of Subject Inventions (APR 1990)
DFARS 252.231-7000	Supplemental Cost Principles (DEC 1991)
DFARS 252.232-7003	Electronic Submission of Payment Requests (MAR 2008)
DFARS 252.235-7002	Animal Welfare (DEC 1991)
DFARS 252.235-7010	Acknowledgement of Support and Disclaimer (MAY 1995)
DFARS 252.235-7011	Final Scientific or Technical Report (NOV 2004)
DFARS 252.243-7001	Pricing of Contract Modifications (DEC 1991)
DFARS 252.246-7000	Material Inspection and Receiving Report (MAR 2008)

(B) Check clause if applicable

	DFARS 252.204-7008	Requirements for Contracts Involving Export-Controlled Items (JUL 2008) (Applicable when export-controlled items <u>are</u> expected to be involved in the performance of the contract.)
X	DFARS 252.204-7009	Requirements Regarding Potential Access to Export-Controlled Items (JUL 2008) (Applicable for research and development, except when the clause 252.204-7008 will be included or for supplies and services, or when the requiring activity is unable to determine that export-controlled items <u>will not</u> be involved.)
	DFARS 252.235-7004	Protection of Human Subjects (JUL 2009) (Applicable in solicitations and contracts that include or may include research involving human subjects)

REDACTED

9. PURCHASE ORDER DATA REQUIREMENTS LIST INSTRUCTIONS FOR DISTRIBUTION

DISTRIBUTION OF PROGRESS REPORTS

The minimum distribution for Progress Reports is as follows:

ADDRESSEE	DODAAC CODE	NUMBER OF COPIES
		UNCLASSIFIED / LIMITED AND CLASSIFIED
Program Officer: Martin Kruger E-Mail: martin.kruger1@navy.mil Note: Send to Prog Officer when SBIR Phase I	N00014	1
SBIR Program Manager Tracy Frost E-Mail: tracy.frost1@navy.mil Note: Send to SBIR Program Manager only if ONR SBIR Phase I	N00014	1
Administrative Contracting* Fax: 214-670-9293	S4402A	1

*Send only a copy of the transmittal letter to the Administrative Contracting Officer; do not send actual reports to the Administrative Contracting Officer.

DISTRIBUTION OF FINAL TECHNICAL REPORTS (A SF-298 must accompany the final technical report)

ADDRESSEE	DODAAC CODE	NUMBER OF COPIES
		UNCLASSIFIED / LIMITED AND CLASSIFIED
OFFICE OF NAVAL RESEARCH ATTN: MARTIN KRUGER, ONR CODE: 30 ONE LIBERTY CENTER 875 N. RANDOLPH ARLINGTON, VA 22203-1995 REF: N00014-09-M-0439	N00014	1 w/SF-298
SBIR PROGRAM MANAGER ATTN TRACY FROST OFFICE OF NAVAL RESEARCH 875 N RANDOLPH STREET ARLINGTON, VA 22203-1995 Phone: (703)696-3196 E-mail: tracy.frost1@navy.mil REF: N00014-09-M-0439	N00014	1 w/SF-298
ADMINISTRATIVE CONTRACTING OFFICER* Fax: 214-670-9293	S4402A	1 w/SF-298
DEFENSE TECHNICAL INFORMATION CENTER ATTN: DTIC-OA (SBIR) 8725 JOHN J. KINGMAN RD, SUITE 0944 FORT BEL VOIR, VA 22060-6218 E-mail: aq@dtic.mil	HJ4701	2 w/SF-298

REDACTED

REDACTED

DIRECTOR, NAVAL RESEARCH LAB ATTN: CODE 5227 4555 OVERLOOK AVENUE, SW WASHINGTON, D.C. 20375-5320 E-mail: reports@library.nrl.navy.mil	N00173	1 w/SF-298
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* Send only a copy of the transmittal letter to the Administrative Contracting Officer; do not send actual reports to the Administrative Contracting Officer.

ELECTRONIC SUBMISSIONS OF TECHNICAL REPORTS IS PREFERRED AND ENCOURAGED. ELECTRONIC SUBMISSION SHOULD BE SENT TO THE E-MAIL ADDRESSES PROVIDED IN THE ABOVE TABLE, HOWEVER PLEASE NOTE THE FOLLOWING:

- A Standard Form (SF) 298, Report Documentation Page must accompany the final technical report and is available at <http://www.dtic.mil/dtic/submit/howtosubmit/howtosubmit.html>.

- SBIR/STTR Legends, Distribution Statements and Markings

(1) All reports, briefs, technical documents, etc. submitted to the Government under this award should contain the following legend:

SBIR DATA RIGHTS

Topic Number: N092-149

Award No.: N00014-09-M-0439

Contractor Name: 21st Century Technologies Inc.

Contractor Address: 4515 Seton Center Pkwy, Ste 320, Austin, TX 78759-5731

The Government's rights to use, modify, reproduce, release, perform, display, or disclose technical data or computer software marked with this legend are restricted as provided in paragraph (b)(4) of DFARS 252-227-7018, Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program.

(2) Distribution Statements:

Insert one of the following Distribution Statements in Block 12 of the SF298 and the report cover page:

(a) The default distribution statement is:

Distribution B: Distribution authorized to U.S. Government Agencies Only; Proprietary Information (DFARS – SBIR Data Rights); [Date of the report]. Other requests for this document shall be referred to Office of Naval Research, ATTN: ONR Code, One Liberty Center, 8725 N. Randolph, Arlington, VA 22203-1995.

(b) If subject to Export Control per DFARS 252.204-7008 use:

Distribution B: Distribution authorized to U.S. Government Agencies Only; Proprietary

REDACTED

REDACTED

Information (DFARS – SBIR Data Rights) and Export Control; [Date of the report]. Other requests for this document shall be referred to Office of Naval Research, ATTN: ONR Code, One Liberty Center, 875 N. Randolph, Arlington, VA 22203-1995.

Also add the *Export Control Warning* on the document cover and append the full *Notice* as required by DoDD5230.25 Enclosure 5; see

<http://www.dtic.mil/whs/directives/corres/pdf/523025p.pdf>

- Classified information (whether in its entirety or partially) is to be transmitted and distributed in accordance with classified material handling procedures.
- Electronic submission to the DIRECTOR, NAVAL RESEARCH LAB email shall be for unclassified reports that are 30 pages or less. For reports more than 30 pages, hardcopies of reports must be mailed.
- Final reports shall be submitted to the Defense Technical Information Center (DTIC). DTIC prefers to receive documents electronically and accepts a variety of formats: MS Word, Excel, PowerPoint, WordPerfect, ASCII Text, Rich text and PDF.

For the latest DTIC guidance, see "Submit Documents" at <http://www.dtic.mil/> and SBIR/STTR Technical Report preparation tutorials at <http://www.dtic.mil/dtic/submit/guidance/tutorialsandotherguidance.html>.

DTIC also offers the SBIR Technical Reports Submission Toolkit <http://www.dtic.mil/trtoolkit/> a web-based application and step-by-step guide for completing and securely submitting an electronic Report Documentation Page (SF298) and document to DTIC.

Additionally, DTIC accepts SBIR/STTR reports in paper hard-copy or on CD or DVD mailed to the address above.

10. ATTACHMENTS

- a. Financial Accounting Data (FAD) Sheet(s)

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL) N0001409M0439	2. SPIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER 09PR09600-00	8.	Navy Internal Use Only Ref Doc/ACRN
5. CLVSLN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION		AMOUNT (CRITICAL)	
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				PAGE TOTAL	\$.00
				GRAND TOTAL	\$.00

PREPARED/AUTHORIZED BY:

DATE:

COMPTROLLER APPROVAL:
FOR FISCAL DATA AND SIGNATURE
BY _____
DATE: _____
for COMPTROLLER, ONR CONTRACT REVIEWED

REDACTED
Contract Distribution Sheet

CR Number: 09PR09600-00
Contract Number: N0001409M0439
Specialist: NO NEG ONR:
Modification Number:

Distribution Date:

Distributed By: SHAC

SEP 28 2009

— PCO, ONR Arlington (Original)

— Contractor (Duplicate Original)

Short Contractor Code and Address:

CNTH
21ST CENTURY TECHNOLOGIES, INC
4515 SETON CENTER PARKWAY SUITE 320
AUSTIN, TX 78759-5731 US

— ACO

ACO MILSCAP Code and Address:

S4402A
DCMA TEXAS-S4402A
600 NORTH PEARL STREET SUITE 1630
DALLAS, TX 75201-2843 US

— Payment Office

DODAAD Code and Address:

HQ0339
DFAS COLUMB WEST ENTL-HQ0339
PO BOX 182381
COLUMBUS, OH 43218-2381 US

— ONR:
00CC

Program Officer: KRUGER, MR. MARTIN R., ONR Other

REDACTED

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

CONTRACT ID CODE

D0-C9(J)

PAGE OF PAGES

1

3

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUEST FOR PURCHASE REG. NO.	5. PROJECT NO. (if applicable)
P00001	SEE BLOCK 16C	10PR00000-00 / 1000047	N.A.
6. ISSUED BY	CODE	7. ADMINISTERED BY (if other than item 6)	CODE
	N00014		800-C 84402A

OFFICE OF NAVAL RESEARCH
CNR 255 (703) 699-0000
E-Mail joseph.cloft@navy.mil
675 North Randolph St.
Arlington VA 22209-1886

DCMA Texas
600 N. Pearl Street, Ste. 1630
Dallas, TX 75201-2843

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

21st Century Technologies, Inc.
4515 Seton Center Pkwy, Ste. 320
Austin, TX 78759-5731

ORIGINAL

9A. AMENDMENT OF SOLICITATION NO.

N.A.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.

N00014-09-M-0439

10B. DATED (SEE ITEM 13)

September 23, 2009

CODE
03BQ2

FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 18, and returning copies of the amendment; (b) By acknowledging receipt of the amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

SEE THE ATTACHED FINANCIAL ACCOUNTING DATA (FAD) SHEET(S)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS

IT MODIFIED THE CONTRACT/ORDER NO. AS DESCRIBED ITEM 14.

(a) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify Authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

☐ B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data; etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.100(b).

☐ C. SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
AUTHORITY FOR OTHER THAN FULL AND OPEN COMPETITION.

☒ D. OTHER (Specify type of modification and authority)



62.217-9 Option to Extend the Term of the Contract

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to exercise and fully fund Option I (CLIN 0002) under contract N00014-09-M-0439.

Except as provided herein, all terms and conditions of the document referenced in item 8A or 10A, as heretofore changed, remain unchanged and in full force and effect.

18A. NAME AND TITLE OF SIGNER (Type or print) Irene M. Williams, CEO	18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Joe Cloft, Contracting Officer
18B. CONTRACTING OFFICER 	18B. UNITED STATES OF AMERICA 
18C. DATE SIGNED 2010 0827	18C. DATE SIGNED 30 AUG 2010
18D. SIGNATURE OF PERSON AUTHORIZED TO SIGN SN 7540-01-162-6070 PREVIOUS EDITION UNUSABLE NAVOCNR OVERPRINT (2-88)	18E. SIGNATURE OF CONTRACTING OFFICER SN-108 STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.245

REDACTED

1. Option I (CLIN 0002) is hereby exercised.

2. The funds available for the performance of this modification are increased by the amount set forth in the attached Financial Accounting Data sheets.

3. The Section entitled, "SUPPLIES OR SERVICES AND PRICES/COSTS" is restated to read as follows (Changes in Bold):

SUPPLIES OR SERVICES AND PRICES/COSTS

BASE (6 months)				
ITEM NO.	SUPPLIES / SERVICES	QTY	UNIT OF ISSUE	AMOUNT
0001	The Contractor shall conduct research and provide reports in accordance with Paragraph 1 below.			NSP
0001AA	Progress Report	(b) (4)		
0001AB	Progress Report			
0001AC	Final Report (In Accordance With Section 6, Electronic Submission of Summary Final Report (Phase I)).			
ITEM 0001 FIRM FIXED PRICE				\$69,993.00

OPTION I (EXERCISED) (3 months)				
ITEM NO.	SUPPLIES / SERVICES	QTY	UNIT OF ISSUE	AMOUNT
0002	The Contractor shall conduct research and provide reports in accordance with Paragraph 2 below.			NSP
0002AA	Progress Report	(b) (4)		
0002AB	Final Report			
ITEM 0002 FIRM FIXED PRICE				\$29,995.00

TOTAL FIRM FIXED PRICE: \$99,988.00

4. Paragraph 2 is hereby restated as follows:

2. Under Option I (Item 0002), the Contractor shall conduct research and provide reports in accordance with the section entitled "Part 3, Phase I Work Plan" task 4 of its proposal entitled "Access: Automated Comparison and Clustering of Entity Signatures" dated June 17, 2009, submitted in response to SBIR topic N092-149, which section is incorporated herein by reference.

5. Paragraph 3 is hereby restated as follows:

3. The Contractor shall accomplish the work during the period of performance commencing from 26 October 2009 through 30 November 2010. Delivery of Subline Items shall be in accordance with the following schedule. Inspection and acceptance is at destination.

REDACTED

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				CONTRACT ID CODE DO-C90	PAGE OF 1	PAGES 2
2. AMENDMENT/MODIFICATION NO. P00002		3. EFFECTIVE DATE SEE BLOCK 16C		4. REQUISITION/PURCHASE REG. NO. 11PR04576-00/1056247		5. PROJECT NO. (if applicable) N.A.
6. ISSUED BY OFFICE OF NAVAL RESEARCH ONR 255 (703) 696-8743 E-MAIL: CODE255PROCUREMENTTECH@ONR.NAVY.MIL 875 NORTH RANDOLPH ST. ARLINGTON VA 22203-1993		7. ADMINISTERED BY (if other than item 6) DCMA TEXAS 600 N PEARL STREET SUITE 1630 DALLAS, TX 75201-2843		SCD-C		CODE S4402A
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) 21 ST CENTURY TECHNOLOGIES, INC 6011 WEST COURTYARD DRIVE BLDG 5, SUITE 300 AUSTIN, TX 78730-5113				9. A. AMENDMENT OF SOLICITATION NO. N.A. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. N00014-09-M-0439 10B. DATED (SEE ITEM 13) September 23, 2009		
CODE 03BQ2		FACILITY CODE		11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS		

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of the amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED ITEM 14.



(0)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: AUTHORITY FOR OTHER THAN FULL AND OPEN COMPETITION:
<input checked="" type="checkbox"/>	D. OTHER (Specify type of modification and authority) Bilateral; Mutual agreement of the parties
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 copy to the issuing office.	

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to extend the period of performance through 29 December 2010 under contract N00014-09-M-0439 at no additional cost to the government.

See Page Two

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Irene M. Williams, CEO		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Juan Carlos Rivera Contracting Officer	
15B. CONTRACTOR/OFFEROR 	15C. DATE SIGNED 20101208	16B. UNITED STATES OF AMERICA BY 	16C. DATE SIGNED 12/9/2010
(Signature of person authorized to sign) SN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE NAVOCNR OVERPRINT (3-88)		(Signature of Contracting Officer) 30-105 STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

REDACTED

Effective as of the date of this modification:

1. Paragraph 3 is hereby revised to read as follows (changes in bold):

3. The Contractor shall accomplish the work during the period of performance commencing from 26 October 2009 through 29 December 2010. Delivery of Subline Items shall be in accordance with the following schedule. Inspection and acceptance is at destination.

Base		Option I	
CLIN/SLIN	Delivery Date	CLIN/SLIN	DELIVERY DATE
0001AA	(b) (4)	0002AA	(b) (4)
0001AB	(b) (4)	0002AB	(b) (4)
0001AC	(b) (4)		

(b) (4)

ALL OTHER TERMS AND CONDITIONS OF THIS CONTRACT REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.